



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In application of

: **Confirmation No. 1112**

Edwin Southern

: Attorney Docket No. 2004_0200

Serial No. 10/772,467

: Group Art Unit 1631

Filed February 6, 2004

: Examiner A. Skibinsky

ANALYZING POLYNUCLEOTIDE SEQUENCES

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

THE COMMISSIONER IS AUTHORIZED
TO CHARGE ANY DEFICIENCY IN THE
FEES FOR THIS PAPER TO DEPOSIT
ACCOUNT NO. 23-0975

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

- ☐ each U.S. Patent and U.S. Patent application publication;
- ☐ each reference previously cited in the international application PCT/_____; and/or
- ☒ each reference previously cited in prior parent application Serial No. 08/230,012 issued as USP 5,700,637 and 08/925,676 issued as USP 6,054,270.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, **or**

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

THE COMMISSIONER IS AUTHORIZED
T

and thus no certification and/or fee is required.

- 1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

- (1) ☐ the certification of paragraph 2 below is provided, **or**
(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

- 1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

**the certification of paragraph 2 below is provided, and
the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified

- a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or
b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☐ a full or partial English language translation submitted herewith,
 - b. ☐ a foreign patent office search report (in the English language) submitted herewith,
 - c. ☐ the concise explanation contained in the specification of the present application at page,
 - d. ☐ the concise explanation set forth in the attached English language abstract,
 - e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☐ A foreign patent office search report citing one or more of the references is enclosed.
6. ☐ Statement Under 37 CFR 1.704(d)

Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign Patent Office in a counterpart application, and this communication was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.

Respectfully submitted,

Edwin Southern

By Warren M. Cheek, Jr.
Warren M. Cheek, Jr.
Registration No. 33,367
Attorney for Applicant

WMC/dlk
Washington, D.C. 20006-1021
Telephone (202) 721-8200
Facsimile (202) 721-8250
October 25, 2006

INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (modified)

OCT 25 2006

ATTY DOCKET NO.
2004_0200SERIAL NO.
10/772,467U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)APPLICANT
Edwin SOUTHERN

Date Submitted to PTO: October 25, 2006

FILING DATE
February 6, 2004GROUP
1631

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,994,373	2/1991	Stavianopoulos et al.			
	AB	6,054,270	4/2000	Southern			
	AC	4,563,419	1/1986	Ranki et al.			
	AD	4,704,353	11/1987	Humphries et al.			
	AE	4,728,502	3/1988	Hamill			
	AF	4,327,073	4/1982	Huang			
	AG	4,216,245	8/1980	Johnson			
	AH	4,395,486	7/1983	Wilson et al.			
	AI	4,656,127	4/1987	Mundy			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	AJ	2 156 074	10/1985	UK				
	AK	0 237 362	9/1987	EP				
	AL	93/22480	11/93	WO				
	AM	0 235726A3	9/1987	EP				
	AN	85/01051	3/1985	WO				

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	G. Beltz et al., Methods in Enzymology, Vol. 100, pp. 265-285, 1983.
	AP	E. M. Southern et al., Genomics, Vol. 13, pp. 1008-1017, 1992.
	AQ	Y. P. Lysov et al., Dokl. Akad., Vol. 303, pp. 1508-1511, 1988 (with English translation).

EXAMINER

DATE CONSIDERED

INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (modified)

ATTY DOCKET NO.
2004_0200SERIAL NO.
10/772,467U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: October 25, 2006

APPLICANT
Edwin SOUTHERNFILING DATE
February 6, 2004GROUP
1631

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BA	5,164,319	11/1992	Hafeman et al.			
	BB	5,002,867	3/1991	Macevicz			
	BC	5,202,231	4/1993	Drmanac et al.			
	BD	5,700,637	12/1997	Southern			
	BE						
	BF						
	BG						
	BH						
	BI						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	BJ	0281927A2	9/1988	EP				
	BK	0130739A2	1/1985	EP				
	BL	0171150B1	2/1986	EP				
	BM	86/06487	11/1986	WO				
	BN	84/03564	9/1984	WO				

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	BO	F. Kafatos et al., Nucleic Acids Research, Vol. 7, No. 6, pp. 1541-1552, 1979.
	BP	H. M. Geysen et al., J. Immun. Meth., Vol. 102, pp. 259-274, 1987.
	BQ	V. J. Kidd et al., Nature, Vol. 304, pp. 230-234, 1983.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT
(Use several sheets if necessary)

Date Submitted to PTO: October 25, 2006

ATTY DOCKET NO.
2004_0200SERIAL NO.
10/772,467APPLICANT
Edwin SOUTHERNFILING DATE
February 6, 2004GROUP
1631

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	CA						
	CB						
	CC						
	CD						
	CE						
	CF						
	CG						
	CH						
	CI						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	CJ	86/00991	2/1986	WO				
	CK	0228075A2	7/1987	EP				
	CL	84/03151	8/1984	WO				
	CM	0194132A2	9/1986	EP				
	CN	0063810A1	11/1982	EP				

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	CO	P. Masinkowski et al., Nucleic Acids Research, Vol. 10, No. 24, pp. 7895-7903, 1982.
	CP	G. K. Sim et al., Cell, Vol. 18, pp. 1303-1316, 1979.
	CQ	W. Bains et al., J. Theor. Biol., Vol. 135, pp. 303-307, 1988.

EXAMINER

DATE CONSIDERED

INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (*modified*)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: October 25, 2006

ATTY DOCKET NO.
2004_0200SERIAL NO.
10/772,467APPLICANT
Edwin SOUTHERNFILING DATE
February 6, 2004GROUP
1631

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	DA						
	DB						
	DC						
	DD						
	DE						
	DF						
	DG						
	DH						
	DI						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	DJ	0130523A3	1/1985	EP				
	DK	0142299A2	5/1985	EP				
	DL	0268237A2	5/1988	EP				
	DM	88/01302	2/1988	WO				
	DN	86/03782	7/1986	WO				

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	DO	Gingeras et al., Nucleic Acids Research, Vol. 15, No. 13, pp. 5373-5390, 1987.
	DP	U.B. Voss et al., Biochemical Society Transactions, 624 th Meeting, Dublin, pp. 216-217, 1987.
	DQ	R. K. Saiki et al., Nature, Vol. 324, pp. 163-166, 1986.

EXAMINER

DATE CONSIDERED

INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: October 25, 2006

ATTY DOCKET NO.
2004_0200SERIAL NO.
10/772,467APPLICANT
Edwin SOUTHERNFILING DATE
February 6, 2004GROUP
1631

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	EA						
	EB						
	EC						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	ED	0238332A2	9/1987	EP				
	EE	88/01302	2/1988	WO				
	EF	0 392 546	10/1990	EP				
	EG	570/87	unknown	Yugoslavia			Yes	
	EH	1284931	6/1991	CA				

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	EI	Wood et al., Proc. Natl. Acad. Sci. (USA), Vol. 82, pp. 1585-1588, 1985.
	EJ	L. J. Arnold et al., Federation Proceedings, Vol. 43, No. 7, Abstract No. 3669, 1984.
	EK	T. Maniatis et al., Molecular Cloning, A Laboratory Manual, Cold Spring Harbor Laboratory, p. 282, 1982.
	EL	C. R. Cantor et al., Genomics, Vol. 13, pp. 1378-1383, 1992.
	EM	G. M. Church et al., Proc. Natl. Acad. Sci. USA, Vol. 81, pp. 1991-1995, 1984.
	EN	R. Frank, Methods in Enzymology, Vol. 154, pp. 221-251, 1987.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (*modified*)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: October 25, 2006

ATTY DOCKET NO.
2004_0200SERIAL NO.
10/772,467APPLICANT
Edwin SOUTHERNFILING DATE
February 6, 2004GROUP
1631

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	FA						
	FB						
	FC						
	FD						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	FE	89/11548	11/1989	WO				
	FF	237362	9/1987	EP				
	FG							
	FH							
	FI							

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	FJ	R. Frank , Nucleic Acids Research, Vol. 11, No. 13, pp. 4365-4377, 1983.
	FK	A. R. Brautigam et al., J. Clin. Microbiol., Vol. 12, No. 2, pp. 226-234, 1980.
	FL	A. Rosenthal et al., Nucleic Acids Research, Vol. 13, No. 4, pp. 1173-1184, 1985.
	FM	B. Lewin, Genes, 3 rd Ed., John Wiley & Sons, pp. 360-362, 1983.
	FN	M. Anderson et al., Nucleic Acid Hybridisation, A Practical Approach, B. D. Hames et al., eds., IRL Press, pp. 73-111, 1985.
	FO	M.S. Urdea et al., Gene, Vol. 61, pp. 253-264, 1987.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (*modified*)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: October 25, 2006

ATTY DOCKET NO.
2004_0200SERIAL NO.
10/772,467APPLICANT
Edwin SOUTHERNFILING DATE
February 6, 2004GROUP
1631

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	GA						
	GB						
	GC						
	GD						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	GE							
	GF							
	GG							
	GH							
	GI							

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	GJ	C. G. Miyada et al., Methods in Enzymology, Vol. 154, pp. 94-107, 1987.
	GK	E. Calva et al., J. Biol. Chem., Vol. 255, No. 22, pp. 11011-11016, 1980.
	GL	A. R. Dunn et al., Cell, Vol. 12, pp. 23-36, 1977.
	GM	G. Wengler et al., Virology, Vol. 78, pp. 124-134, 1977.
	GN	J. M. Coffin et al., Cell, Vol. 13, pp. 761-773, 1978.
	GO	A. Palva et al., DNA, Vol. 7, No. 2, pp. 135-142, 1988.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (*modified*)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: October 25, 2006

ATTY DOCKET NO.
2004_0200SERIAL NO.
10/772,467APPLICANT
Edwin SOUTHERNFILING DATE
February 6, 2004GROUP
1631

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	HA						
	HB						
	HC						
	HD						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	HE							
	HF							
	HG							
	HH							
	HI							

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	HJ	R. Drmanac et al., "Sequencing of Megabase Plus DNA by Hybridization: Theory of the Method", University of Belgrade (former Yugoslavia), 1988.
	HK	Tenover, Clinical Microbiology Reviews, Vol. 1, No. 1, pp. 82-101, January 1988.
	HL	Ogle et al., The Journal of Infectious Diseases, Vol. 155, No. 1, pp. 119-126, January 1987.
	HM	Moseley et al., Advances in research on Cholera and Related Diarrheas, pp. 207-216, 1983.
	HN	Frankel et al., The Journal of Infectious Diseases, Vol. 161, pp. 1252-1256, 1990.
	HO	Ezaki, Asian Med. J., Vol. 34, No. 8, pp. 454-459, 1991.

EXAMINER

DATE CONSIDERED

INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: October 25, 2006

ATTY DOCKET NO.
2004_0200SERIAL NO.
10/772,467APPLICANT
Edwin SOUTHERNFILING DATE
February 6, 2004GROUP
1631

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	IA						
	IB						
	IC						
	ID						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	IE							
	IF							
	IG							
	IH							
	II							

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	IJ	Ezaki et al., Cancer, Vol. 61, pp. 106-109, 1988.
	IK	Horn et al., Concise Communications, pp. 1250-1252, (date unknown).
	IL	Robins-Browne et al., Journal of Clinical Microbiology, Vol. 27, No. 4, pp. 644-650, April 1989.
	IM	Ezaki et al., International Journal of Systematic Bacteriology, Vol. 36, No. 2, pp. 345-347, 1986.
	IN	McDonough et al., Journal of Clinical Microbiology, Vol. 26, No. 12, pp. 2515-2519, 1988.
	IO	Bunemann et al., Nucleic Acids Research, Vol. 10, No. 22, pp. 7163-7180, 1982.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: October 25, 2006

ATTY DOCKET NO.
2004_0200SERIAL NO.
10/772,467APPLICANT
Edwin SOUTHERNFILING DATE
February 6, 2004GROUP
1631

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	JA						
	JB						
	JC						
	JD						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	JE							
	JF							
	JG							
	JH							
	JI							

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	JJ	Forster et al., Nucleic Acids Research, Vol. 13, No. 3, pp. 745-761, 1985.
	JK	Koomey et al., Infection and Immunity, Vol. 43, No. 1, pp. 101-107, January 1984.
	JL	Syvanen, Medical Biology, Vol. 64, pp. 313-324, 1986, Review Article.
	JM	Nagata et al., FEBS Letters, Vol. 183, No. 2, pp. 379-382, April 1985.
	JN	Ezaki et al., FEMS Microbiology Letters, Vol. 67, pp. 127-130, 1990.
	JO	Kilpper-Balz et al., System. Appl. Microbiol., Vol. 5, pp. 494-500, 1984.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (*modified*)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: October 25, 2006

ATTY DOCKET NO.
2004_0200SERIAL NO.
10/772,467APPLICANT
Edwin SOUTHERNFILING DATE
February 6, 2004GROUP
1631

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	KA						
	KB						
	KC						
	KD						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	KE	1284931	1/91	CA				
	KF	89/11548	11/89	WO				
	KG	237362	9/87	EP				
	KH							
	KI							

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	KJ	Habermehl, Ed., Rapid Methods and Automation in Microbiology and Immunology, pp. 30-33, 1988.
	KK	Schachter, Diagn. Microbiol. Infect. Dis., Vol. 4, pp. 185-189, 1986.
	KL	Starnbach, Journal of Clinical Microbiology, Vol. 27, No. 6, pp. 1257-1261, June 1989.
	KM	Ezaki et al., Microbiol. Immunol., Vol. 32, No. 2, pp. 141-150, 1988.
	KN	Farrow et al., System Appl. Microbiol., Vol. 5, pp. 483-493, 1984.
	KO	Dean et al., Journal of Clinical Microbiology, Vol. 27, No. 5, pp. 1062-1067, May 1989.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: October 25, 2006

ATTY DOCKET NO.
2004_0200SERIAL NO.
10/772,467APPLICANT
Edwin SOUTHERNFILING DATE
February 6, 2004GROUP
1631

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	LA						
	LB						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	LC							
	LD							

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	LE	Gingeras et al., Nucleic Acids Research, Vol. 15, No. 13, pp. 5353-5372, 1987.						
	LF	Gingeras et al., Nucleic Acids Research, Vol. 15, No. 13, pp. 5373-5390, 1987.						
	LG	Church et al., Science, Vol. 240, pp. 185-188, April 8, 1988.						
	LH	Bunemann, Nucleic Acids Research, Vol. 10, No. 22, pp. 7181-7196, 1982.						
	LI	Brigati et al., Virology, Vol. 126, pp. 32-50, 1983.						
	LJ	Fodor et al., Science, Vol. 251, pp. 767-773, 1991.						
	LK	Ezaki et al., J. Gen. Appl. Microbiol., Vol. 34, pp. 191-199, 1988.						
	LL	Ezaki et al., Journal of Clinical Microbiology, Vol. 26, No. 9, 1708-1713, September 1988.						
	LM	Farrow et al., System Appl. Microbiol., Vol. 5, pp. 467-482, 1984.						

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: October 25, 2006

ATTY DOCKET NO.
2004_0200SERIAL NO.
10/772,467APPLICANT
Edwin SOUTHERNFILING DATE
February 6, 2004GROUP
1631

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	MA	4,205,952	6/1980	Cais			
	MB	4,145,406	5/1979	Schick et al.			
	MC	4,000,252	12/1976	Kosak			
	MD	4,254,082	3/1981	Schick et al.			
	ME	4,299,916	11/1981	Litman et al.			
	MC	4,323,647	4/1982	Monji et al.			
	MD	4,442,204	4/1984	Greenquist et al.			
	ME	4,719,176	1/1988	Klotz			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	MF	0 197 266	10/1986	EP			
	MG						

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	MP	Bioarray News, Vol. 1, No. 1, pp. 1, 8 and 9, June 1, 2001
	MQ	Roche Award Molecular Bioanalytics, 2004 to Professor Edwin Southern et al., pp. 1-4, 2004.
	MQ	Wodicka et al., "Genome-wide expression monitoring in <i>Saccharomyces cerevisiae</i> ", Nature Biotechnology, Vol. 15, pp. 1359-1367, 1997.
	MQ	

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: October 25, 2006

ATTY DOCKET NO.
2004_0200SERIAL NO.
10/772,467APPLICANT
Edwin SouthernFILING DATE
February 6, 2004GROUP
1631

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	NA	4,205,952	6/1980	Cais			
	NB	4,145,406	5/1979	Schick et al.			
	NC	4,000,252	12/1976	Kosak			
	ND	4,254,082	3/1981	Schick et al.			
	NE	4,299,916	11/1981	Litman et al.			
	NF	4,323,647	4/1982	Monji et al.			
	NG	4,442,204	4/1984	Greenquist et al.			
	NH	4,719,176	1/1988	Klotz			
	NI						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	NJ	0 197 266	10/1986	EP			English translation of Granted EP Patent	
	NK							
	NL							
	NM							
	NN							

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	NO	Bioarray News, Vol. 1, No. 1, pp. 1, 8 and 9, June 1, 2001
	NP	Roche Award Molecular Bioanalytics, 2004 to Professor Edwin Southern et al., pp. 1-4, 2004.
	NQ	Wodicka et al., "Genome-wide expression monitoring in <i>Saccharomyces cerevisiae</i> ", Nature Biotechnology, Vol. 15, pp. 1359-1367, 1997.

EXAMINER

DATE CONSIDERED